

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-036284

(43)Date of publication of application : 06.02.1992

(51)Int.Cl.

C07D491/048
A01N 43/54
C07D239/34
// C07B 37/10
(C07D491/048
C07D239:00
C07D307:00)

(21)Application number : 02-140672

(71)Applicant : SUMITOMO CHEM CO LTD

(22)Date of filing : 29.05.1990

(72)Inventor : KAWAMURA SHINICHI
SATO JUNICHI
SANEMITSU MINORU
HAMADA TATSUHIRO
SAITO KAZUO

(54) DIPHENYLFUROPYRIMIDINE DERIVATIVE, ITS PRODUCTION AND HERBICIDE
CONTAINING THE SAME DERIVATIVE AS ACTIVE INGREDIENT

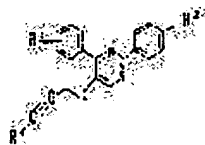
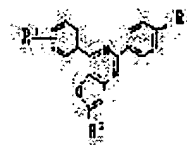
(57)Abstract:

NEW MATERIAL: A diphenylfuropyrimidine derivative expressed by formula I (R₁ is halogen, lower alkyl, lower haloalkyl, lower alkoxy, lower alkylthio, lower haloalkoxy or lower haloalkylthio which is situated to ortho or meta position; R₂ is H, halogen or lower haloalkyl; R₃ is lower alkyl).

EXAMPLE: 5-Methylfuro[3,2-d]-2-phenyl-4-(3-chlorophenyl)pyrimidine.

USE: Useful as a herbicide. The compound expressed by formula I has excellent weeding effects on various weeds to be the cause of problems in treating foliage and soil in farm and further in treating heated water in paddy field, and exhibits an excellent selectivity between a main crop such as rice and weeds.

PREPARATION: A pyrimidine derivative expressed by formula II (R₄ is H or lower alkyl) is



heated to provide the compound expressed by formula I. The above-mentioned reaction is carried out at 100-300°C without using any solvent or, otherwise, in a solvent such as decalin.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]